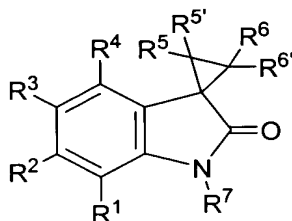


## WHAT IS CLAIMED IS:

1. A compound having the formula:



wherein

$R^1$ ,  $R^2$ ,  $R^3$  and  $R^4$  are members independently selected from H, substituted or unsubstituted alkyl, substituted or unsubstituted heteroalkyl, substituted or unsubstituted aryl, substituted or unsubstituted heteroaryl,  $OR^8$ ,  $NO_2$ , CN and halogen

wherein

$R^8$  is a member selected from H and substituted or unsubstituted alkyl;

$R^5$  and  $R^{5'}$  are members independently selected from H, substituted or unsubstituted alkyl, substituted or unsubstituted cycloalkyl, substituted or unsubstituted heteroalkyl, substituted or unsubstituted aryl, substituted or unsubstituted heteroaryl, CN,  $SR^9$  and  $C(O)R^9$

wherein

$R^9$  is a member selected from H, substituted or unsubstituted alkyl, substituted or unsubstituted heteroalkyl, substituted or unsubstituted aryl,  $NR^{10}R^{11}$  and  $OR^{11}$

wherein

$R^{10}$  is a member selected from H, substituted or unsubstituted alkyl and  $OR^{12}$

wherein

$R^{12}$  is a member selected from H, substituted or unsubstituted alkyl and substituted or unsubstituted heteroalkyl;

$R^{11}$  is a member selected from H,  $C(O)R^{13}$ , substituted or unsubstituted alkyl, substituted or unsubstituted heteroalkyl, substituted or unsubstituted aryl and substituted or unsubstituted heterocycloalkyl, and wherein  $R^{10}$  and  $R^{11}$ ,

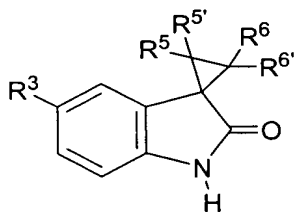
29 together with the nitrogen to which they are bound, are  
30 optionally joined to form a substituted or unsubstituted  
31 heterocycloalkyl ring system having from 3 to 7 members  
32 wherein  
33  $R^{13}$  is a member selected from H, substituted or  
34 unsubstituted alkyl, substituted or unsubstituted  
35 heteroalkyl and  $NR^{14}R^{15}$   
36 wherein  
37  $R^{14}$  and  $R^{15}$  are members independently selected  
38 from H, substituted or unsubstituted alkyl  
39 and substituted or unsubstituted heteroalkyl;  
40  $R^6$  and  $R^{6'}$  are members independently selected from H, substituted or  
41 unsubstituted alkyl and  $C(O)R^{16}$ ;  
42 wherein  
43  $R^{16}$  is a member selected from substituted or unsubstituted alkyl,  
44 substituted or unsubstituted heteroalkyl,  $NR^{17}R^{18}$  and  $OR^{17}$   
45 wherein  
46  $R^{17}$  and  $R^{18}$  are members independently selected from H,  
47 substituted or unsubstituted alkyl, substituted or  
48 unsubstituted heteroalkyl and substituted or unsubstituted  
49 aryl; and  
50  $R^7$  is a member selected from H, substituted or unsubstituted alkyl and substituted  
51 or unsubstituted heteroalkyl.

1 2. The compound according to claim 1, wherein at least one of  $R^5$  and  
2  $R^{5'}$  is a member selected from substituted or unsubstituted phenyl, substituted or  
3 unsubstituted pyridyl, substituted or unsubstituted furanyl, substituted or unsubstituted  
4 benzofuranyl, substituted or unsubstituted quinolinyl, and substituted or unsubstituted  
5 thienyl.

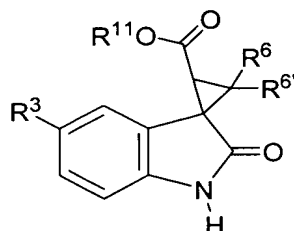
1 3. The compound according to claim 1, wherein at least one of  $R^{10}$   
2 and  $R^{11}$  is substituted or unsubstituted  $C_1$ - $C_6$  alkyl.

1 4. The compound according to claim 1, wherein at least one of  $R^6$  and  
2  $R^{6'}$  is a member selected from substituted or unsubstituted  $C_1$ - $C_6$  alkyl.

1 5. The compound according to claim 1, having the formula:

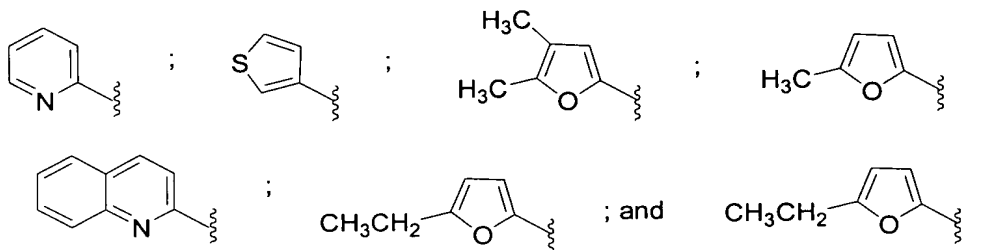


1 6. The compound according to claim 5, having the formula:



1 7. The compound according to claim 6, wherein  $R^{11}$  is substituted or  
2 unsubstituted  $C_1$ - $C_4$  alkyl.

1 8. The compound according to claim 5, wherein at least one of  $R^5$  and  
2  $R^{5'}$  is a member selected from substituted or unsubstituted:



1 9. The compound according to claim 5, wherein  $R^6$  and  $R^{6'}$  are  
2 independently selected from substituted or unsubstituted methyl and substituted or  
3 unsubstituted ethyl.

1 10. A pharmaceutical formulation comprising a compound according  
2 to claim 1 and a pharmaceutically acceptable carrier.

1 11. A method of inhibiting HIV in a cell, said method comprising  
2 contacting said cell with an amount of a compound according to claim 1 sufficient to  
3 inhibit said HIV.

1                   12.     A method of inhibiting reverse transcriptase in a cell, said method  
2 comprising contacting said cell with an amount of a compound according to claim 1  
3 sufficient to inhibit said reverse transcriptase.

1                   13.     The method according to claim 11, wherein said cell is in a human.

1                   14.     The method according to claim 12, wherein said cell is in a human.

1                   15.     A method of treating HIV infection in a human subject comprising  
2 administering to said subject an amount of a compound according to claim 1, sufficient to  
3 treat said HIV infection.

1                   16.     A method of providing prophylaxis against HIV infection  
2 comprising administering a prophylactic amount of a compound according to claim 1 to a  
3 person who is at risk of HIV infection.

1                   17.     The method according to claim 15, wherein said HIV is a drug  
2 resistant mutant.